

WHAT IS CLAIMED IS:

1. A system for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:
  - an application server comprising one or more applications, each application comprising one or more methods operable to generate one or more database calls;
  - 5 an analyzer component operable to:
    - correlate a database call generated by a method with the method that generated the database call;
    - monitor one or more parameters associated with the database call; and
  - 10 display to a client:
    - a first identifier of the database call;
    - a second identifier of the method that generated the database call; and
  - 15 one or more of the one or more parameters associated with the database call.
2. The system of Claim 1, wherein the analyzer component is further operable to:
  - receive one or more first parameters associated with the database call;
  - 20 receive one or more second parameters associated with a method;
  - determine whether the database call correlates with the method by comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the method to determine if the method generated the database call.
- 25 3. The system of Claim 2, further comprising an interceptor component operable to:
  - intercept a database call generated by a method; and
  - communicate the one or more first parameters associated with the database call to the analyzer component.

4. The system of Claim 2, further comprising an insider component operable to:

intercept the method; and

communicate the one or more second parameters associated with the method

5 to the analyzer component.

5. The system of Claim 4, wherein each of the one or more methods comprises a Java method and the insider component is operable to communicate second parameters for each Java method in a Java method call tree to the analyzer  
10 component.

6. The system of Claim 2, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more first parameters associated with the particular SQL call comprise:

15 a SQL statement of the particular SQL call;

a SQL execution time for the particular SQL call;

one or more SQL exceptions of the particular SQL call; and

a timestamp and a thread of execution for the particular SQL call.

20 7. The system of Claim 6, wherein, for a particular method, the one or more second parameters associated with the particular method comprise a timestamp and a thread of execution for the particular method.

8. The system of Claim 7, wherein the analyzer component is further operable to:

5 compare the timestamp and the thread of execution for the SQL call to a corresponding timestamp and the thread of execution for the method to determine whether the method correlates to the SQL call in that the method generated the SQL call; and

if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the method, conclude that the method generated the SQL call.

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9. The system of Claim 2, wherein the analyzer component substantially continuously receives first parameters associated with database calls and second parameters associated with methods, the analyzer operable to substantially continuously determine for each received database call the method that generated the received database call such that the analyzer component displays first identifiers of database calls and second identifiers of the methods that generated the database calls to the client in substantially real time.

10. The system of Claim 1, wherein the analyzer component is further operable to display an alert notification to the client if one of the one or more parameters associated with the database call exceeds a predetermined threshold value.

11. The system of Claim 1, wherein the analyzer component is further operable to display a management console to the client on a browser associated with the client, the management console comprising:

25 a second identifier of a method;  
one or more first identifiers of database calls, each first identifier associated with the at least one method identifier, the management console indicating which database calls were generated by the method associated with the second identifier; and  
30 at least one of the one or more parameters associated with database call.

12. The system of Claim 11, wherein the management console is operable to:

display multiple second identifiers of methods as a method call tree; and  
for a selected second identifier of a method in the method call tree, display:

5 a first identifier of a database call for each database call determined by the analyzer component to correlate to the method associated with the selected second identifier; and

at least one of the one or more parameters for each database call determined to correlate to the method associated with the selected second identifier.

13. A method for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:

correlating a database call generated by a method with the method that generated the database call;

5 monitoring one or more parameters associated with the database call;

displaying to a client:

a first identifier of the database call;

a second identifier of the method that generated the database call; and

one or more of the one or more parameters associated with the

10 database call.

14. The method of Claim 13, further comprising:

receiving one or more first parameters associated with the database call;

receiving one or more second parameters associated with a method;

15 determining whether the database call correlates with the method by comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the method to determine if the method generated the database call.

20 15. The method of Claim 14, further comprising receiving the one or more first parameters associated with the database call from an interceptor that intercepted the database call generated by a method.

16. The method of Claim 14, further comprising receiving the one or more second parameters associated with the method from an insider component that intercepted the method.

25 17. The method of Claim 16, wherein each of the one or more methods comprises a Java method; the method further comprising receiving second parameters 30 for each Java method in a Java method call tree from the insider component.

18. The method of Claim 14, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more first parameters associated with the particular SQL call comprise:

- a SQL statement of the particular SQL call;
- 5 a SQL execution time for the particular SQL call;
- one or more SQL exceptions of the particular SQL call; and
- a timestamp and a thread of execution for the particular SQL call.

19. The method of Claim 18, wherein, for a particular method, the one or  
10 more second parameters associated with the particular method comprise a timestamp and a thread of execution for the particular method.

20. The method of Claim 19, further comprising:  
comparing the timestamp and the thread of execution for the SQL call to a  
15 corresponding timestamp and the thread of execution for the method to determine whether the method correlates to the SQL call in that the method generated the SQL call; and  
if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the method, concluding that  
20 the method generated the SQL call.

21. The method of Claim 14, comprising:  
substantially continuously receiving first parameters associated with database calls and second parameters associated with methods;  
25 substantially continuously determining for each received database call the method that generated the received database call such that first identifiers of database calls and second identifiers of the methods that generated the database calls are displayed to the client in substantially real time.

22. The method of Claim 13, further comprising displaying an alert notification to the client if one of the one or more parameters associated with the database call exceeds a predetermined threshold value.

5 23. The method of Claim 13, further comprising displaying a management console to the client on a browser associated with the client, the management console comprising:

a second identifier of a method;

10 one or more first identifiers of database calls, each first identifier associated with the at least one method identifier, the management console indicating which database calls were generated by the method associated with the second identifier; and at least one of the one or more parameters associated with database call.

24. The method of Claim 23, further comprising:

15 displaying multiple second identifiers of methods as a method call tree; and for a selected second identifier of a method in the method call tree, displaying:

a first identifier of a database call for each database call determined by the analyzer component to correlate to the method associated with the selected second identifier; and

20 at least one of the one or more parameters for each database call determined to correlate to the method associated with the selected second identifier.

25. Software for monitoring performance of one or more methods and one or more database calls each associated with at least one method, the software embodied in computer-readable media and when executed operable to:

correlate a database call generated by a method with the method that generated  
5 the database call;

monitor one or more parameters associated with the database call;

display to a client:

a first identifier of the database call;

a second identifier of the method that generated the database call; and

10 one or more of the one or more parameters associated with the database call.

26. The software of Claim 25, further operable to:

receive one or more first parameters associated with the database call;

15 receive one or more second parameters associated with a method;

determine whether the database call correlates with the method by comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the method to determine if the method generated the database call.

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27. The software of Claim 26, further operable to receive the one or more first parameters associated with the database call from an interceptor that intercepted the database call generated by a method.

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28. The software of Claim 26, further operable to receive the one or more second parameters associated with the method from an insider component that intercepted the method.

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29. The software of Claim 28, wherein each of the one or more methods comprises a Java method; the method further comprising receiving second parameters for each Java method in a Java method call tree from the insider component.

30. The software of Claim 26, wherein the one or more database calls comprise SQL calls and, for a particular SQL call, the one or more first parameters associated with the particular SQL call comprise:

- a SQL statement of the particular SQL call;
- 5 a SQL execution time for the particular SQL call;
- one or more SQL exceptions of the particular SQL call; and
- a timestamp and a thread of execution for the particular SQL call.

31. The software of Claim 30, wherein, for a particular method, the one or  
10 more second parameters associated with the particular method comprise a timestamp and a thread of execution for the particular method.

32. The software of Claim 31, further operable to:  
compare the timestamp and the thread of execution for the SQL call to a  
15 corresponding timestamp and the thread of execution for the method to determine whether the method correlates to the SQL call in that the method generated the SQL call; and  
if the timestamp and the thread of execution for the SQL call matches the corresponding timestamp and the thread of execution for the method, conclude that  
20 the method generated the SQL call.

33. The software of Claim 26, operable to:  
substantially continuously receive first parameters associated with database calls and second parameters associated with methods;  
25 substantially continuously determine for each received database call the method that generated the received database call such that first identifiers of database calls and second identifiers of the methods that generated the database calls are displayed to the client in substantially real time.

34. The software of Claim 25, further operable to display an alert notification to the client if one of the one or more parameters associated with the database call exceeds a predetermined threshold value.

5 35. The software of Claim 25, further operable to display a management console to the client on a browser associated with the client, the management console comprising:

a second identifier of a method;  
one or more first identifiers of database calls, each first identifier associated  
10 with the at least one method identifier, the management console indicating which database calls were generated by the method associated with the second identifier; and  
at least one of the one or more parameters associated with database call.

15 36. The software of Claim 35, further operable to:  
display multiple second identifiers of methods as a method call tree; and  
for a selected second identifier of a method in the method call tree, display:  
a first identifier of a database call for each database call determined by  
the analyzer component to correlate to the method associated with the selected second  
identifier; and  
20 at least one of the one or more parameters for each database call  
determined to correlate to the method associated with the selected second identifier.

37. A system for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:

means for correlating a database call generated by a method with the method that generated the database call;

5 means for monitoring one or more parameters associated with the database call;

means for displaying to a client:

a first identifier of the database call;

a second identifier of the method that generated the database call; and

10 one or more of the one or more parameters associated with the database call.

38. A system for monitoring performance of one or more methods and one or more database calls each associated with at least one method, comprising:

an application server comprising one or more applications, each application comprising one or more methods operable to generate one or more database calls to  
5 one or more databases associated with the application server;

an analyzer component operable to:

receive one or more first parameters associated with a database call;

receive one or more second parameters associated with a method;

determine whether the database call correlates with the method by

10 comparing at least one of the first parameters associated with the database call to at least one corresponding second parameter associated with the method to determine if the method generated the database call; and

if it is determined that the method generated the database call, communicate a notification to a client associated with the system.